

Welcome to the Labnodes Training Workshop

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March 28, 2013



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Mark A Magnuson, M.D.
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Research Profile
Dr. Mark A. Magnuson is the Louise B. McGavock Professor of Molecular Physiology and Biophysics, Medicine, and Cell and Developmental Biology at Vanderbilt University. Dr. Magnuson graduated from Luther College in 1975 and obtained his medical degree from the University of Iowa in 1979. He completed an internship and residency in Internal Medicine at Strong Memorial Hospital in Rochester, N.Y., followed by three years at the NIH as a Research Associate. He came to UMBC in 1985 as both a clinical fellow in Endocrinology and a senior fellow in Molecular Physiology and Biophysics before joining the faculty in 1987. Dr. Magnuson has authored or co-authored over 170 peer-reviewed articles. He has been a member of numerous scientific review panels and has served on the editorial boards for *Diabetes*, *Molecular Endocrinology*, the *Journal of Biological Chemistry* and the *American Journal of Physiology: Endocrinology and Metabolism*. He currently chairs the Executive Committee of the Beta Cell Biology Consortium and is Associate Editor for *Experimental Biology and Medicine*. In 2006 he received the Sidney P. Colowick Faculty Award at Vanderbilt. His research has been continuously funded by the National Institutes of Health for nearly 25 years. Dr. Magnuson is Director of the Vanderbilt Center for Stem Cell Biology, Sr. Scientific Co-Director of the Transgenic MouseES Cell Shared Resource, and Scientific Advisor for the Genome Sciences Resource. Between 1998 and 2005 he served as Director of the Office of Biomedical Sciences and Assistant Vice Chancellor for Research.

Publications
The following timeline graph is generated from all 185 publications. Featured publications are shown further down the page.

Keywords
beta cell (3), insulin (1), pancreas (5), mouse (27), cell (3), diabetes (7), beta cell (14), endocrinology (15), developmental biology (11), stem and progenitor cell biology (1), cell management (1), endocrine pancreatic islet transplantation (1), stem cell transplantation (1), transcription factors (2)

Featured Publications:

- mTOR complex 2 is required for the development of prostate cancer induced by *Phen1* loss in mice. Guertin DA, Stevens DM, Salih M, Kinzel S, Crosby K, Sheen JH, Muilholand DJ, Magnuson MA, Wu H, Sabatini DM (2009) *Cancer Cell* 15(2): 148-59
Primary publication - 19105540 (PubMed) PMID2791581 (PubMed Central) Added on 05/27/2010
- Pdx1 and Ptf1a concurrently determine fate specification of pancreatic multipotent progenitor cells. Burstein JS, Long Q, Fujitani Y, Wright CV, Magnuson MA (2008) *Dev Biol* 318(1): 74-86
Primary publication - 14204420 (PubMed) PMID2425977 (PubMed Central) Added on 04/15/2010
- Multiallelic disruption of the rictor gene in mice reveals late specification of pancreatic islet β cells. Shih C, Woo JI, Lindner J, Shelton KD, Magnuson MA (2006) *Dev Cell* 11(4): 583-9
Primary publication - 16922620 (PubMed) Added on 05/19/2010
- Efficient DNA cassette exchange in mouse embryonic stem cells by site-specific homologous recombination. Long Q, Shelton KD, Lindner J, Jones JR, Magnuson MA (2004) *Genes Dev* 18(4): 256-62
Primary publication - 14289998 (PubMed) Added on 05/27/2010
- Allosteric activators of glucokinase: potential role in diabetes therapy. Grimsby J, Sarabu R, Corbett WL, Haynes NE, Bizzarro FT, Coffey JW, Guertin KR, Hillard DK, Kester RF, Mahoney PE, Marcus L, Qi L, Stevens CA, Teng J, Magnuson MA, Chu CA, Dorozhnik MT, Malschinsky FM, Cirrillo JF (2003) *Science* 301(5631): 379-3
Primary publication - 1268970 (PubMed) Added on 04/15/2010
- Tissue-specific knockout of the insulin receptor in pancreatic beta cells creates an insulin-secreting defect similar to that in type 2 diabetes. Kulkarni RN, Brunning JC, Winnay JN, Plastic C, Magnuson MA, Kahn CR (1999) *Cell* 96(3): 329-39
Primary publication - 10025390 (PubMed) Added on 05/27/2010
- Pdx-1 is required for pancreatic outgrowth and differentiation of the rostral duodenum. Orfield MF, Jetton TL, Labosky PA, Ray M, Stein RV, Magnuson MA, Hogan BL, Wright CV (1996) *Development* 122(3): 983-95
Primary publication - 881133 (PubMed) Added on 05/27/2010

Identification & research summary

ResearcherID, Biosketch download

Labnodes community affiliations

Contact information

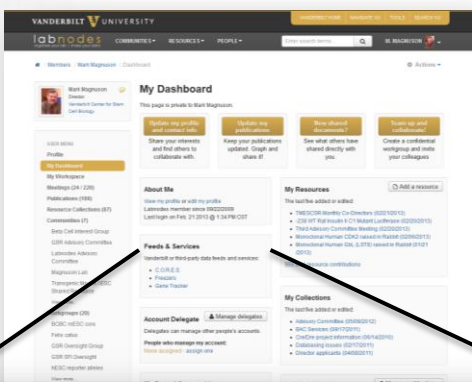
Keywords

Publications history graph

Featured publications

Link to full publications listing (supports both PMID & PMCID)

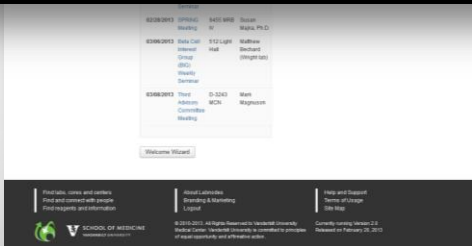
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842346	VANTAGE - formerly GSR	15-MAR-13	Not yet invoiced	2	72.00
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840242	MCBR Products	19-MAR-13	Not yet invoiced	2	514.10
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